

ABSTRACT OF THE DISCLOSURE

A wireless network system and a network address assigning
5 method are provided which are capable of reducing traffic
occurring when an network address is assigned to each of
communication units making up a tree-structure-type wireless
network system.

The wireless network system includes a radio-relay station,
10 a radio-relay station connected to the radio-relay station and
to another radio-relay station in a wireless manner. The
radio-relay station preserves a plurality of network addresses
to be assigned to these radio-relay stations, assigns a first
network address belonging to the plurality of network addresses
15 to one radio-relay station and an address pool making up the
plurality of network addresses collectively to the other
radio-relay station. The above radio-relay station preserves the
address pool and assigns a second network address belonging to
the address pool to a wireless terminal. The radio-relay station
20 does not assign directly the network address to the wireless
terminal.

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